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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/074,554	02/11/2002	Richard P. Mangold	42390P13347	6607

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EXAMINER

LIM, KRISNA

ART UNIT

PAPER NUMBER

2153

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/074,554

Applicant(s)

MANGOLD, RICHARD P.

Examiner

Krisna Lim

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                                                                   |                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                                                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                              | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

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1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/17/06 has been entered. Claims 1-20 are pending for examination.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being Blatter et al. [U.S. Patent No. 6,016,348].

4. Blatter et al. discloses (e.g., see Figs. 1-23) the invention substantially as claimed. Taking claim 9 as an exemplary claim, the reference discloses a computer system comprising:

a) an application (video receiver) to receive data content (e.g., see col. 2, line 66);

b) a memory device to store the data content (e.g., see col. 3, lines 24-28, item 47 of Fig. 1);

c) a decoder to decode the content (e.g., see col. 3, lines 17 and 33); and

d) a decryption module (50) to decrypt the data content, and to monitor access to that memory device to determine if memory buffers storing the data content have been accessed by a second application prior to the decoding of the data content (e.g., see col. 4, line 44, to col. 5, line 15).

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5. As to claim 10, Blatter discloses the decryption module monitors the memory buffers (60) by observing the state of a corresponding access bit (e.g., pre-load PIDS, col. 4, line 59, to col. 5, line 15) in the memory device page table entries (e.g., look-up table, col. 4, line 65, to col. 5, line 15).

6. As to claim 11, Blatter discloses the decryption module is tamper resistant to prevent modification (e.g., see col. 4, line 44, to col. 5, line 14, col. 6, lines 23-41).

7. As to claim 12, Blatter discloses an interface (70) coupled to the application, the decoder (80, 85) and the decryption module (50).

8. As to claim 13, Blatter discloses an encrypted format (e.g., see col. 3, line 1).

9. While Blatter discloses in Fig. 2 the feature of:

- a) loading the encrypted keys in the encrypted key table;
- b) pre-loading buffer with null data; and
- c) determining whether or not the input data (SE) is equaled to the encrypted storage; and in Fig. 4, the feature of:
- d) generating encryption key from stored encryption code; and
- e) loading PID, destination and encryption key look-up tables with other

encrypted keys, etc., Blatter does not explicitly mention to the bit level of his page table entry where each bit corresponding to each of one or more memory buffers that is accessed by other application program. It would have been obvious to one of ordinary skill in the art at the time the invention was made to recognize that such specific use to the bit level of the page table entry would have been a matter of choice.

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10. Claims 1-8 and 14-20 are similar in scope as of claims 9-13, and therefore claims 1-8 and 14-20 are rejected for the same reasons set forth above for claims 9-13.

11. Applicant's arguments filed 1/17/06 have been fully considered but they are not deemed to be persuasive as mentioned in paragraph 9 above.

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisna Lim whose telephone number is 571-272-3956. The examiner can normally be reached on Monday to Wednesday and Friday from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess, can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KI

April 3, 2006



KRISNA LIM  
PRIMARY EXAMINER